

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

**Paper ID : 199210**

Roll No. 

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**B.TECH.**

**Theory Examination (Semester-II) 2015-16**

**ENVIRONMENT AND ECOLOGY**

**Time : 3 Hours**

**Max. Marks : 100**

**Note : Attempt ALL sections.**

**Section-A**

- 1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10 = 20)**

- (a) Explain the word "Environment".
- (b) What is Ozone hole?
- (c) Define Bio-accumulation and Bio-magnification?
- (d) Explain water Pollution Act 1974.

- (e) What is Land-slide?
- (f) Define Pollution and its types.
- (g) Define Biodiversity.
- (h) What are Points and Non- Point sources of pollution?
- (i) Give the definition of Earthquake.
- (j) Define Blue Baby syndrome.

**2. Attempt any five parts of the following: (10×5 = 50)**

- (a) Explain what is Acid rain, its formation and its effects.
- (b) Describe the role of NGOs in pollution control with examples.
- (c) Explain the structure, concept and function of Eco-system.
- (d) What are the positive and negative impacts of farming?

- (e) Define ecological pyramids and its types. Explain tropical structure and tropical level.
- (f) Define migration its types and reasons of migration.
- (g) Draw and explain nitrogen cycle along with nitrification and de-nitrification process.
- (h) Explain the role of Central Board for Pollution Control and State Board for Pollution Control.

**Section-C**

**Attempt any two questions from this section:** (15×2 = 30)

- 3. (a) What is the difference between greenhouse and global warming, why greenhouse effect is necessary for the life?
- (b) Explain Environmental Impact Assessment and their goals. How they control the pollution?
- 4. (a) Draw and explain the working of Bag- House filter and how we can increase the efficiency of filter.

- (b) Draw and explain Bell and Urn shape of population with examples.
5. (a) Explain Bio-indicator, types and its function to indicate the pollution.
- (b) Describe different methods of individual for controlling all types of pollution.

